



Ultra-High-Def™ DAB Amp (20X)

Catalog Number: ACR-004

Document #: ACR-004
Effective Date: 07/24/2017, IFU-139 Rev A

Intended Use

For In Vitro Diagnostic Use.

Summary and Explanation

DAB is a widely used chromogen for immunoperoxidase staining and immunoblotting. It has been well accepted among the pathologists because of its superior performance as compared to Amino Ethylcarbazole (AEC). DAB gives cleaner background as opposed to AEC. Specimens stained in DAB can be dehydrated in ethanol and cleared in xylene and can be mounted for permanent record keeping. Strength of signal generated during the immunostaining is the key to a good IHC. Ultra High Def™ Amp is a stable liquid solution which increases the staining intensity several fold of tissue specimens stained with DAB and hence increases the efficiency of detection system.

Principles of the Procedure

This product is specifically designed to work in conjunction with peroxidase based immunostaining systems. Can be used with Ultra High Def™ DAB kit and Ultra High Def™ Peroxidase block.

Reagents Provided

Concentrated Clear Solution	10 mL
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Materials required but not provided

Some of the reagents and materials for IHC are not provided. Pretreatment reagents, detection systems, control reagents and other ancillary reagents are available from StatLab Medical Products. Please refer to the StatLab Medical Products website at www.statlab.com

Storage and Handling

Store at room temperature. Do not use after expiration date printed on label. If reagents are stored under conditions other than those specified in the package insert, they must be verified by the user.

Staining Procedure

1. Add one drop (50µL) of DAB enhancer in 1 mL of DAB incubation buffer.
2. Add DAB chromogen and Peroxidase Block (3% Hydrogen Peroxide) to the above buffer.
3. Incubate tissue sections with the incubation medium.

Quality Control

Refer to CLSI Quality Standards for Design and Implementation of Immunohistochemistry Assays; Approved Guideline-Second edition (I/LA28-A2). CLSI Wayne, PA, USA (www.clsi.org). 2011

Troubleshooting

Contact StatLab Medical Products Technical Support at (800) 442-3573, option 5 or ihctech@statlab.com to report unusual staining.

Warranty

There are no warranties, expressed or implied, which extend beyond this description. StatLab Medical Products is not liable for property damage, personal injury, or economic loss caused by this product.

Performance Characteristics

The protocols for a specific application can vary. These include, but are not limited to: fixation, heat-retrieval method, incubation times, tissue section thickness and detection kit used. Due to the superior sensitivity of these unique reagents, the recommended incubation times and titers listed are not applicable to other detection systems, as results may vary. The data sheet recommendations and protocols are based on exclusive use of StatLab Medical products. Ultimately, it is the responsibility of the investigator to determine optimal conditions. These products are tools that can be used for interpretation of morphological findings in conjunction with other diagnostic tests and pertinent clinical data by a qualified pathologist.

Precautions

1. Wear disposable gloves when handling reagents.
2. Specimens, before and after fixation, and all materials exposed to them should be handled as if capable of transmitting infection and disposed of with proper precautions. Never pipette reagents by mouth and avoid contacting the skin and mucous membranes with reagents and specimens. If reagents or specimens come in contact with sensitive areas, wash with copious amounts of water.
3. Microbial contamination of reagents may result in an increase in nonspecific staining.
4. Incubation times or temperatures other than those specified may give erroneous results. The user must validate any such change.
5. Do not use reagent after the expiration date printed on the label.
6. The SDS is available upon request.
7. Consult OSHA, federal, state or local regulations for disposal of any toxic substances.

